



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: MURDO BLACK ET AL.  
Filed: JULY 10, 2003  
For: ENZYME ELECTRODES AND METHOD OF MANUFACTURE  
Serial No.: 10/617,262  
Group Art Unit: 2877  
Examiner: UNKNOWN  
Atty Dkt: DUMM:011US

Pursuant to 37 C.F.R. 1.8, I certify that this correspondence is being deposited with the U.S. Postal Service in a first class, postage prepaid envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313 on the date below:

<sup>MT</sup>  
10-28-03  
Date

Maity Jones  
Name

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the document(s) listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that (a) the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b); and/or (b) that the information cited is, or is considered to be prior art.

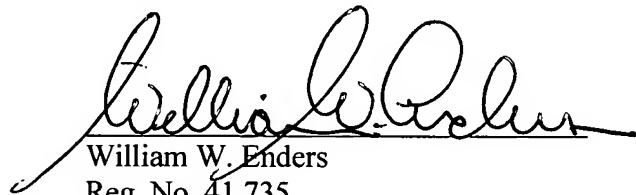
The present Supplemental Information and Disclosure Statement is being filed prior to the

receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Deposit Account No. 10-1205/DUMM:011US.

A copy of the listed document(s) required by 37 C.F.R. § 1.98(a)(2) is enclosed for the convenience of the Examiner.

Applicant respectfully requests that the listed document(s) be made of record in the present case.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "William W. Enders", is written over a horizontal line.

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Enclosures

**Form PTO-1449** (modified) OCT 31 2003

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.  
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See Page 8**U.S. Patent Documents**

| Exam. Init. | Ref. Des. | Document Number | Date     | Name             | Class | Sub Class | Filing Date if App. |
|-------------|-----------|-----------------|----------|------------------|-------|-----------|---------------------|
|             | A12       | 5,232,668       | 8/3/93   | Grant et al.     |       |           | 2/27/91             |
|             | A13       | 5,281,395       | 1/25/94  | Markart et al.   |       |           | 12/18/91            |
|             | A14       | 5,526,120       | 6/11/96  | Jina et al.      |       |           | 9/8/94              |
|             | A15       | 5,407,554       | 4/18/95  | Saurer           |       |           | 4/8/94              |
|             | A16       | 5,797,693       | 8/25/98  | Jaeger           |       |           | 4/29/96             |
|             | A17       | 5,395,504       | 3/7/95   | Saurer et al.    |       |           | 2/1/94              |
|             | A18       | 5,525,297       | 6/11/96  | Dinger et al.    |       |           | 9/13/94             |
|             | A19       | 5,660,791       | 8/26/97  | Brenneman et al. |       |           | 6/6/96              |
|             | A20       | 4,476,149       | 10/9/84  | Poppe et al.     |       |           | 8/9/82              |
|             | A21       | 5,160,278       | 11/3/92  | Johnson          |       |           | 10/22/90            |
|             | A22       | 5,366,609       | 11/22/94 | White et al.     |       |           | 6/8/93              |
|             | A23       | 4,714,874       | 12/22/87 | Morris et al.    |       |           | 11/12/85            |
|             | A24       | 6,168,957       | 1/2/01   | Matzinger et al. |       |           | 6/25/97             |
|             | A25       | 5,989,917       | 11/23/99 | McAleer et al.   |       |           | 2/13/96             |
|             | A26       | 5,628,890       | 5/13/97  | Carter et al.    |       |           | 9/27/95             |
|             | A27       | 5,141,868       | 8/25/92  | Shanks et al.    |       |           | 11/27/89            |
|             | A28       | 5,429,735       | 7/4/95   | Johnson et al.   |       |           | 6/27/94             |
|             | A29       | 5,770,028       | 7/23/98  | Maley et al.     |       |           | 12/19/96            |
|             | A30       | 5,820,551       | 10/13/98 | Hills et al.     |       |           | 6/6/95              |
|             | A31       | 6,248,596       | 6/19/01  | Durst et al.     |       |           | 3/3/98              |

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|     |           |          |                  |  |  |          |
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| A32 | 5,759,010 | 6/2/98   | Jacobs et al.    |  |  | 2/8/96   |
| A33 | 5,120,420 | 11/9/99  | Nankai et al.    |  |  | 8/26/98  |
| A34 | 3,838,033 | 9/24/74  | Mindt et al.     |  |  | 8/31/72  |
| A35 | 3,979,274 | 9/7/76   | Newman           |  |  | 9/24/75  |
| A36 | 3,993,451 | 11/23/76 | Verbeck          |  |  | 11/8/74  |
| A37 | 4,053,381 | 10/11/77 | Hamblen et al.   |  |  | 5/19/76  |
| A38 | 4,137,495 | 1/30/79  | Brown            |  |  | 3/25/77  |
| A39 | 4,216,245 | 8/5/80   | Johnson          |  |  | 7/25/78  |
| A40 | 4,225,410 | 9/30/80  | Pace             |  |  | 12/4/78  |
| A41 | 4,233,029 | 11/11/80 | Columbus         |  |  | 10/25/78 |
| A42 | 4,237,639 | 6/16/81  | Gottermeier      |  |  | 6/20/79  |
| A43 | 4,301,412 | 11/17/81 | Hill et al.      |  |  | 10/29/79 |
| A44 | 4,301,414 | 11/17/81 | Hill et al.      |  |  | 10/29/79 |
| A45 | 4,303,887 | 12/1/81  | Hill et al.      |  |  | 10/29/79 |
| A46 | 4,312,834 | 1/26/82  | Vogel et al.     |  |  | 2/28/80  |
| A47 | 4,413,407 | 11/8/83  | Columbus         |  |  | 11/9/81  |
| A48 | 4,418,148 | 11/29/83 | Oberhardt        |  |  | 11/5/81  |
| A49 | 4,473,457 | 9/25/84  | Columbus         |  |  | 3/29/82  |
| A50 | 4,490,216 | 12/25/84 | McConnell        |  |  | 1/12/84  |
| A51 | 4,502,938 | 3/5/85   | Covington et al. |  |  | 4/8/82   |
| A52 | 4,545,382 | 10/8/85  | Higgins et al.   |  |  | 10/22/82 |
| A53 | 4,591,550 | 5/27/86  | Hafeman et al.   |  |  | 4/5/84   |
| A54 | 4,654,127 | 3/31/87  | Baker et al.     |  |  | 11/27/85 |
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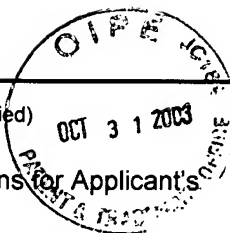
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| A56 | 4,897,173 | 1/30/90  | Nankai et al.       |  |  | 6/19/86  |
| A57 | 4,900,405 | 2/13/90  | Otagawa et al.      |  |  | 7/15/87  |
| A58 | 5,108,564 | 4/28/92  | Szuminsky et al.    |  |  | 8/15/91  |
| A59 | 5,128,015 | 7/7/92   | Szuminsky et al.    |  |  | 3/13/89  |
| A60 | 5,185,256 | 2/9/93   | Nankai et al.       |  |  | 10/15/91 |
| A61 | 5,509,410 | 4/23/96  | Hill et al.         |  |  | 7/27/94  |
| A62 | 5,682,884 | 11/4/97  | Hill et al.         |  |  | 7/27/94  |
| A63 | 5,727,548 | 3/17/98  | Hill et al.         |  |  | 6/6/95   |
| A64 | 5,820,551 | 10/13/98 | Hill et al.         |  |  | 6/6/95   |
| A65 | 3,836,033 | 9/24/74  | Mindt et al.        |  |  | 8/31/72  |
| A66 | 4,713,327 | 12/15/87 | Findlay et al.      |  |  | 5/1/85   |
| A67 | 4,637,978 | 1/20/87  | Dappen              |  |  | 10/28/83 |
| A68 | 3,992,158 | 10/16/76 | Przybylowicz et al. |  |  | 1/2/75   |
| A69 | 4,978,503 | 12/18/90 | Shanks et al.       |  |  | 6/12/85  |
| A70 | 5,271,896 | 12/21/93 | Jakubowicz et al.   |  |  | 4/16/93  |
| A71 | 4,142,863 | 3/6/79   | Covington et al.    |  |  | 6/5/78   |

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| Exam. Init. | Ref. Des. | Document Number | Date     | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|----------|---------|-------|-----------|--------------------|
|             | B11       | WO9607907A1     | 3/14/96  |         |       |           | Yes                |
|             | B12       | WO9215861A1     | 9/17/92  |         |       |           | Yes                |
|             | B13       | EP0732590A2     | 9/18/96  |         |       |           | Yes                |
|             | B14       | EP0373413A1     | 6/20/90  |         |       |           | Yes                |
|             | B15       | EP0738666A2     | 10/23/96 |         |       |           | Yes                |
|             | B16       | WO 99/05966     | 2/11/99  |         |       |           | Yes                |
|             | B17       | WO 98/19159     | 5/7/98   |         |       |           | Yes                |
|             | B18       | WO 01/23885A1   | 8/27/99  |         |       |           | Yes                |
|             | B19       | DE19639226A1    | 9/24/96  |         |       |           | Yes                |
|             | B20       | EP0738666B1     | 4/4/96   |         |       |           | Yes                |
|             | B21       | EP0732590A3     | 1/9/96   |         |       |           | Yes                |
|             | B22       | EP0811843A2     | 6/3/97   |         |       |           | Yes                |
|             | B23       | WO94/10558      | 11/1/93  |         |       |           | Yes                |
|             | B24       | EP0170375B1     | 5/16/90  |         |       |           | Yes                |
|             | B25       | EP0095946A1     | 12/7/83  |         |       |           | Yes                |

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|  | B26 | EP0215446A2   | 3/25/87  |  |  |  | Yes              |
|  | B27 | WO 97/30344   | 8/21/97  |  |  |  | Yes              |
|  | B28 | EP0593096A2   | 4/20/94  |  |  |  | Yes              |
|  | B29 | WO 92/14836   | 9/3/92   |  |  |  | English Abstract |
|  | B30 | EP0271102A2   | 6/15/88  |  |  |  | Yes              |
|  | B31 | WO 02/08753A2 | 1/31/02  |  |  |  | Yes              |
|  | B32 | WO 02/18940A2 | 3/7/02   |  |  |  | Yes              |
|  | B33 | EP0645627A1   | 3/29/95  |  |  |  | English Abstract |
|  | B34 | EP0471986A2   | 2/26/92  |  |  |  | Yes              |
|  | B35 | EP0016387A1   | 10/1/80  |  |  |  | English Abstract |
|  | B36 | EP0078636A1   | 5/11/83  |  |  |  | Yes              |
|  | B37 | EP0115873B1   | 11/22/90 |  |  |  | Yes              |
|  | B38 | EP0121385A1   | 10/10/84 |  |  |  | Yes              |
|  | B39 | EP0127958B1   | 3/11/92  |  |  |  | Yes              |
|  | B40 | EP0136362A1   | 4/10/85  |  |  |  | Yes              |
|  | B41 | EP0096095A1   | 12/21/83 |  |  |  | Yes              |
|  | B42 | EP0171148A1   | 2/12/86  |  |  |  | Yes              |
|  | B43 | EP0186286A1   | 7/2/86   |  |  |  | Yes              |

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|  |     |             |          |  |  |  |                  |
|--|-----|-------------|----------|--|--|--|------------------|
|  | B44 | EP0200539B1 | 11/5/86  |  |  |  | Yes              |
|  | B45 | EP0230472A1 | 8/5/87   |  |  |  | Yes              |
|  | B46 | EP0255291A1 | 2/3/88   |  |  |  | Yes              |
|  | B47 | EP0267724A1 | 5/18/88  |  |  |  | Yes              |
|  | B48 | JP59-40145  | 3/5/84   |  |  |  | English Abstract |
|  | B49 | JP63-137559 | 6/9/88   |  |  |  | English Abstract |
|  | B50 | JP62-237348 | 10/17/87 |  |  |  | English Abstract |
|  | B51 | JP63-3248   | 1/8/88   |  |  |  | English Abstract |
|  | B52 | JP63-58149  | 3/12/88  |  |  |  | Yes              |
|  | B53 | JP63-144245 | 6/16/88  |  |  |  | English Abstract |
|  | B54 | JP63-144246 | 6/16/88  |  |  |  | English Abstract |
|  | B55 | JP63-144247 | 6/16/88  |  |  |  | English Abstract |
|  | B56 | JP64-23152  | 1/25/89  |  |  |  | English Abstract |
|  | B57 | JP64-23153  | 1/25/89  |  |  |  | English Abstract |
|  | B58 | JP64-23154  | 1/25/89  |  |  |  | English Abstract |
|  | B59 | JP1-14746   | 5/8/89   |  |  |  | English Abstract |
|  | B60 | JP1-114747  | 5/8/89   |  |  |  | English Abstract |
|  | B61 | JP1-134242  | 5/26/89  |  |  |  | English Abstract |

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|  |     |              |         |  |  |  |                  |
|--|-----|--------------|---------|--|--|--|------------------|
|  | B62 | JP1-134243   | 5/26/89 |  |  |  | English Abstract |
|  | B63 | JP1-134244   | 5/26/89 |  |  |  | English Abstract |
|  | B64 | JP1-212345   | 8/25/89 |  |  |  | English Abstract |
|  | B65 | GB 1318815   | 5/31/73 |  |  |  | Yes              |
|  | B66 | GB 2090659A  | 7/14/82 |  |  |  | Yes              |
|  | B67 | WO 88/03270  | 5/5/88  |  |  |  | Yes              |
|  | B68 | WO 89/08713  | 9/21/89 |  |  |  | Yes              |
|  | B69 | EP0057110A2  | 8/4/82  |  |  |  | Yes              |
|  | B70 | EP0225061A1  | 6/10/87 |  |  |  | Yes              |
|  | B71 | EP0212314A2  | 3/4/87  |  |  |  | Yes              |
|  | B72 | EP0034049A1  | 8/19/81 |  |  |  | Yes              |
|  | B73 | EP0010456A1  | 4/30/80 |  |  |  | Yes              |
|  | B74 | EP0057110A2  | 8/4/82  |  |  |  | Yes              |
|  | B75 | JPS61-146392 | 1/8/88  |  |  |  | Yes              |
|  | B76 | EP0239222A1  | 9/30/87 |  |  |  | Yes              |
|  | B77 | EP0359831A1  | 3/28/90 |  |  |  | Yes              |
|  | B78 | JP2-62952    | 3/2/90  |  |  |  | Yes              |
|  | B79 | JP1-253648   | 10/9/89 |  |  |  | Yes              |

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| B80 | JP1-291153  | 11/22/89 |  |  |  | Yes              |
| B81 | JP63-317096 | 12/26/88 |  |  |  | Yes              |
| B82 | GB2001443A  | 1/31/79  |  |  |  | Yes              |
| B83 | JP62030962A | 2/9/87   |  |  |  | English Abstract |
| B84 | EP0885591A2 | 12/23/98 |  |  |  | Yes              |
| B85 | EP0127958   | 12/12/84 |  |  |  | Yes              |

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

| Exam. Init. | Ref. Des. | Citation  |
|-------------|-----------|---|
|             | C1        | Copy of published PCT application WO 01/23855A1 corresponding to copending U.S. Patent Application Serial No. 10/089,048, filed March 25, 2002, "Test Device" |
|             | C2        | Copending U.S. Patent Application Serial No. 10/094,501, filed March 8, 2002, "Test Member Orientation"   |
|             | C3        | Copending U.S. Patent Application Serial No. 10/233,265, filed August 30, 2002, "Sensor Dispensing Device"  |
|             | C4        | Copending U.S. Patent Application Serial No. 10/089,048, filed March 25, 2002, "Test Device"  |
|             | C5        | Copending U.S. Patent Application Serial No. 10/265,087, filed October 4, 2002, "Test Meter Calibration"  |
|             | C6        | Karl Schugerl et al., "Online-ProzeBanalyse In Bioreaktoren", No. 9, Germany, Sept., 1987   |

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